

**What Is Claimed Is:**

1. A tilt steering apparatus for a vehicle, comprising:
  - a lower steering shaft of which low end being mounted with a steering gear;
  - 5 an upper steering shaft of which top end being mounted with a steering wheel;
  - a universal joint for jointing a top end of the lower steering shaft with a low end of the upper steering shaft;
  - a lower column member fixed to a vehicle body for supporting the lower steering shaft to be movable;
  - 10 an upper column member for supporting the upper steering shaft to be movable; and
  - a tilt lock mechanism for tilt locking the upper column member to the lower column member, wherein the tilt lock mechanism is comprised of:
    - 15 a fixed gear attached to the lower column member;
    - a movable gear attached to the upper column member in such a manner to be movable;
    - a female screw attached to the upper column member;
    - a feed screw bar locked to the female screw for tooth-locking the movable gear to the fixed gear by pressing the movable gear; and
    - 20 an operating member for rotating the feed screw bar.

2. The apparatus according to claim 1, wherein the movable gear is comprised of a concave groove and an opening portion whose width is smaller than  
25 that of the concave groove, being interconnected with the concave groove; and the

feed screw bar is comprised of a flange to be inserted in the concave groove, and a connecting portion for connecting the flange to the feed screw bar while being disposed at the opening portion.

5           3. The apparatus according to claim 1 or claim 2, wherein the operating member is comprised of a tilt lever attached to the upper column member in such a manner to be movable, a driving gear attached to one end of the tilt lever, and a driven gear fixed to the feed screw bar, being toothed to the driving gear.

10           4. The apparatus according to claim 3, further comprising:  
a torsion coil spring, of which one end being attached to the upper column member and the other being attached to the tilt lever.

          5. A tilt steering apparatus for vehicle, comprising:  
15           a lower steering shaft of which low end being mounted with a steering gear;  
an upper steering shaft of which top end being mounted with a steering wheel;  
a universal joint for jointing a top end of the lower steering shaft with a low end of the upper steering shaft;  
20           a lower column member fixed to a vehicle body for supporting the lower steering shaft to be movable;  
an upper column member for supporting the upper steering shaft to be movable; and  
a tilt lock mechanism for tilt locking the upper column member to the lower  
25 column member, wherein the tilt lock mechanism is comprised of:

a fixed gear attached to the upper column member;  
a movable gear attached to the lower column member in such a manner to be movable;  
a female screw attached to the lower column member;  
5 a feed screw bar locked to the female screw for tooth-locking the movable gear to the fixed gear by pressing the movable gear; and  
an operating member for rotating the feed screw bar.

6. The apparatus according to claim 5, wherein the movable gear is  
10 comprised of a concave groove and an opening portion whose width is smaller than that of the concave groove, being interconnected with the concave groove; and the feed screw bar is comprised of a flange to be inserted in the concave groove, and a connecting portion for connecting the flange to the feed screw bar while being disposed at the opening portion.

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